

## ABSTRACT

The present invention provides a compound, system, and method for retrofitting and converting standard bicycle rims and tires having tubes to be tubeless. Standard tube tires are retrofitted by installing either rim tape or a rim strip with integral valve stem around the inner  
5 channel of the rim, mounting the first bead of the tire, injecting a liquid sealing compound into the tire cavity, finishing mounting the tire, inflating, and installing the tire on a bicycle. The sealing compound may additionally contain propylene glycol or an aggregate material to encourage the sealing of the tires as punctures occur when the tire system is placed into use.

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